



PTO/SB/08A (08-03)

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PATENT & TRADEMARK OFFICE  
Substitute for form 1449/PTO**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/634,709
Filing Date	08-05-2003
First Named Inventor	Amy Mae Bunker
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	PC25236A

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
W		US- 10/071,032	02-08-2002	Dyer, et al	
W		US- 2002/0156061 A1	10-24-2002	Barvian, et al	
W		US- 2003/0004172 A1	01-02-2003	Harter, et al	
W		US- 2003/0078276 A1	04-24-2003	Andrianjara, et al	
W		US- 2002/0193377 A1	12-19-2002	Andrianjara, et al	
W		US- 2002/0151558 A1	10-17-2002	Andrianjara, et al	
W		US- 2002/0156069 A1	10-24-2002	Picard, et al	
W		US- 6,656,932 B2	12-02-2003	Picard, et al	
W		US- 2002/0161000 A1	10-31-2002	Barvian, et al	
W		US- 2003/0087924 A1	05-08-2003	Sorenson	
W		US- 2003/0144274 A1	07-31-2003	Bunker, et al	
W		US- 2002/0151555 A1	10-17-2002	Barvian, et al	
W		US- 2003/0130278 A1	07-10-2003	Gaudilliere, et al	
W		US- 2003/0216402 A1	11-20-2003	Gaudilliere, et al	
W		US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al	
W		US- 2004/0006077 A1	01-08-2004	Gaudilliere, et al	
W		US- 10/634,531	08-05-2003	Johnson	
W		US- 10/634,162	08-05-2003	Wilson	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
W		WO 02/064599 A1	08-22-2002	Dyer, et al		
W		WO 02/064547 A2, A3	08-22-2002	Barvian, et al		
W		WO 02/064598 A1	08-22-2002	Harter, et al		
W		WO 02/064080 A2, A3	08-22-2002	Andrianjara, et al		
W		WO 02/064572 A1	08-22-2002	Andrianjara, et al		
W		WO 02/064595 A1	08-22-2002	Andrianjara, et al		

Examiner Signature	V. Balasubramanian	Date Considered	1/7/06
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Sheet 2

of 3

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First Named Inventor	Amy Mae Bunker
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Examiner Name	Unknown
Attorney Docket Number	PC25236A

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W		US- 10/634,473	08-05-2003	Bunker, et al	
W		US- 10/634,289	08-05-2003	Bunker, et al	
W		US- 10/634,180	08-05-2003	Bunker, et al	
W		US- 10/634,712	08-05-2003	Hicks, et al	
W		US- 10/634,181	08-05-2003	Li	
W		US- 10/634,489	08-05-2003	Roark	
W		US- 10/634,420	08-05-2003	Roark	
W		US- 10/634,716	08-05-2003	Nahra, et al	
W		US- 10/634,288	08-05-2003	O'Brien	
W		US- 10/634,717	08-05-2003	Nahra, et al	
W		US- 10/634,177	08-05-2003	Wilson	
W		US- 10/634,290	08-05-2003	Wilson	
W		US- 10/634,182	08-05-2003	Li	
W		US- 10/634,419	08-05-2003	Hicks, et al	
W		US- 10/634,713	08-05-2003	Picard	
W		US- 10/634,225	08-05-2003	Picard, et al	
W		US- 10/634,718	08-05-2003	Ortwine	
W		US- 10/739,261	12-18-2003	Bunker, et al	
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W		WO 02/064578 A1	08-22-2002	Picard, et al		
W		WO 02/064571 A1	08-22-2002	Barvian, et al		
W		WO 02/064568 A1	08-22-2002	Barvian, et al		
W		WO 03/032999 A1	04-23-2003	Bunker, et al		
W		WO 03/033478 A1	04-24-2003	Gaudilliere, et al		
W		WO 03/076417 A2, A3	09-18-2003	Gaudilliere, et al		

Examiner  
Signature

V. Balazs-Hanauer

Date  
Considered

1/7/06

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		Filing Date	08-05-2003
		First Named Inventor	Amy Mae Bunker
		Art Unit	1614
		Examiner Name	Unknown
		Attorney Docket Number	PC25236A
Sheet 8	of 3		

[illegible]

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		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
M		WO 04/000322 A1	12-31-2003	Gaudilliere, et al		

Examiner Signature	V. Balasubramanian	Date Considered	1/7/06
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	4
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**Complete if Known**

Application Number	10/634,709
Filing Date	August 5, 2003
First Named Inventor	Bunker, et al
Art Unit	1624
Examiner Name	Deepak R. Rao
Attorney Docket Number	PC25236A

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (# known)	MM-DD-YYYY		
W		WO-01/63244	08-30-2001	Chen, et al	
W		WO-00/09485	02-24-2000	McClure, et al	
W		WO-01/12611	02-22-2001	Blagg	
W		WO-02/34726	05-02-2002	Noe, et al	
W		WO02/34753	05-02-2002	Bronk, et al	
W		EP-0935963	08-18-1999	McClure, et al	

Examiner Signature	V. Balasubramaniam	Date Considered	1/7/06
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				Filing Date	August 5, 2003
				First Named Inventor	Bunker, et al
				Art Unit	1624
				Examiner Name	Deepak R. Rao
				Attorney Docket Number	PC25236A
Sheet	2	of	4		

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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
W		EP-1138680	10-04-2001	Noe, et al		
W		CA-2,082,076	05-06-1993	Weidmann, et al		
W		WO-01/12612	02-22-01	Hargreaves, et al		
W		EP-0286364	07-13-94	Scherrer		

Examiner Signature	V. Balasubramanian	Date Considered	11/2/86
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Sheet	3	of	4	Attorney Docket Number	PC25236A

NON PATENT LITERATURE DOCUMENTS			
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M		Billinghurst, et al, "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthritis & Rheumatism, Vol. 43, No. 3 March 2000, pp.664-672.	
M		Dahlberg, et al, "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor That Spares Collagenase I (Matrix Metalloproteinase I)", Arthritis & Rheumatism, Vol. 43, No. 3, March 2000 pp. 673-682.	
M		Freemont, et al, "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage", Ann. Rheum. Dis. 1999, 58, pp.357-365.	
M		Hirota, et al, "Novel Synthesis of Pyrido[3,4-d]Pyrimidines, Pyrido[2,3-d]-Pyrimidines and Quinazolones via Palladium-Catalyzed Oxidative Coupling", Heterocycles, Vol. 37, No. 1, 1994 pp.563-570.	
M		Reboul, et al, "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J. Clin. Invest. Vol. 97, No. 9, May 1996 pp.2011-2019.	
M		Wernicke, et al, "Cloning of Collageanse 3 from the Synovial Membrane and Its Expression In Rheumatoid Arthritis and Osteoarthritis", J. of Rheumatology, 1996, Vol. 23, No. 4, pp.590-595.	
M		Chen, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, Vol. 122, pp. 9648-9654.	
M		Billinghurst, et al, "Enhanced Cleavage of Type II Collagen by Collagenase in Osteoarthritic Articular Cartilage", J. Clin. Invest., Vol. 99, No. 7, April 1997, pp.1534-1545.	
M		Lovejoy, et al, "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biology, Vol. 6, No. 3, March 1999, pp.217-221.	
M		Moy, et al, "High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with a Hydroxamic Acid Inhibitor", J. Mol. Biol., 2000, Vol. 302, pp. 671-689.	

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		Office Action mailed June 16, 2003, in U.S. 10/264,764	
W		Neuhold, et al, "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice" J. Clin. Invest. January 2001, Vol. 107, No. 1 pp.35-44.	
W		Mitchell, et al, "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., Vol. 97, No. 3, February 1996 pp.761-768.	
W		International Search Report in PCT/IB03/03616	
M		Chemical Abstracts Nakayama, et al, "Preparation of 2-ethynylthiazole derivatives as leukotriene antagonists" AN 129:189329	

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<b>Application Number</b>	10/634,709
<b>Filing Date</b>	August 5, 2003
<b>First Named Inventor</b>	Amy Mae Bunker
<b>Art Unit</b>	1624
<b>Examiner Name</b>	V. Balasubramanian
<b>Attorney Docket Number</b>	PC25236A

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
W		WO 02/45703	06-13-2002	Cuenoud et al.		

1/2/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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**Complete if Known**

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Sheet	2	of	2
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Wm		Robert et al., "Non-acidic antiinflammatory compounds II. Synthesis and activity of 6-amino-2,4-lutidine derivatives", Eur. J. Med. Chem., Vol. 29, 1994, pp 841-854	

Examiner Signature	V. Balasubramanian	Date Considered	11/7/06
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